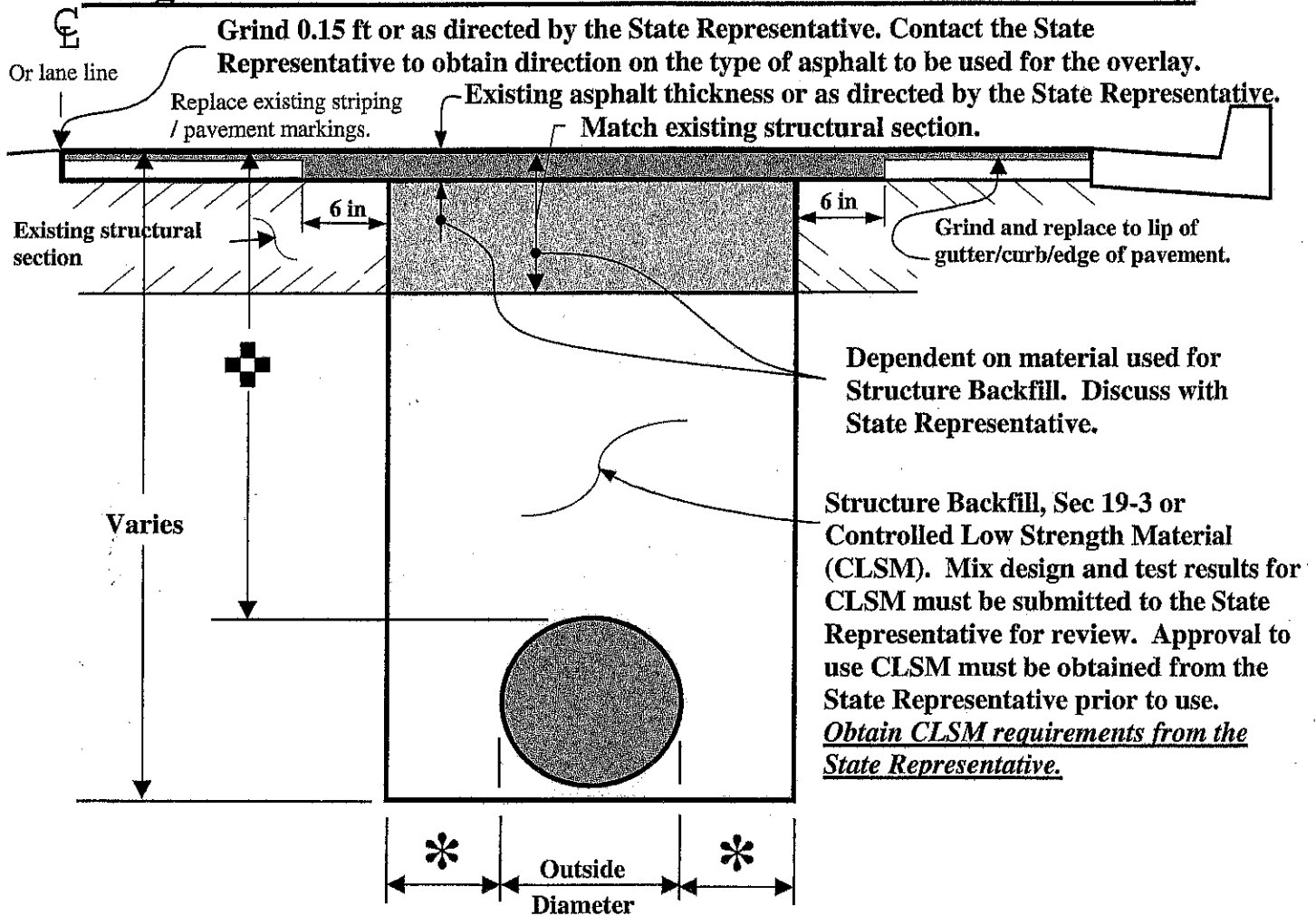


Trench Detail B-3

Longitudinal Encroachments. For Utilities and Culverts Only



Minimum Cover depth

See Policy on High and Low Risk Underground Facilities and Encroachment Permit Utility Provisions.

High & Low Risk Facilities = 42 inches
Exempt Facilities = 36 inches
Service connections = 30 inches
Culverts = 24 inches



Culverts and drainage systems = 2 ft minimum, or 6 inches when using CLSM or Slurry Cement Backfill and line diameters are less than 42 inches, and 1 ft when line diameters are over 42 inches.

Other utilities = Width required to accommodate shoring & compaction.

- Notes:**
1. Compaction to be at 95% relative compaction, subject to testing. Ponding and jetting is **NOT ALLOWED**.
 2. All trench shoring subject to section 1541 Construction Safety Orders of the California Division of Occupational Safety and Health. Shoring plans are to be submitted for review and approval to the state representative before starting excavation. A minimum of three weeks required for review.

(Rev 8/14/07)